

DOCKETED

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Item 6: Update of 2022 Integrated Energy Policy Report

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March 18, 2022



Overview of CEC's IEPR

- Legislatively mandated
- Biennial report
- Assessments and recommendations to Governor and Legislature
- Even years such as 2022 is an “update”
- Public Resources Code Section 25301(a): “At least every two years, the commission shall conduct assessments and forecasts of all aspects of energy industry supply, production, transportation, delivery and distribution, demand, and prices. The commission shall use these assessments and forecasts to develop energy policies that conserve resources, protect the environment, ensure energy reliability, enhance the state's economy, and protect public health and safety.”



Proposed Schedule

Phase 1: Develop Scope	
<ul style="list-style-type: none">• Seek public comment on Draft Scoping Order	March 2022
<ul style="list-style-type: none">• Adopt order instituting investigation for 2022 IEPR Update	April 2022
Phase 2: Collect Information	
<ul style="list-style-type: none">• Public workshops	April 2022 – Dec. 2022
Phase 3: Develop Report	
<ul style="list-style-type: none">• Draft available for public comment	Oct. 2022
<ul style="list-style-type: none">• Final draft available for public comment	Jan. 2023
<ul style="list-style-type: none">• CEC considers report for adoption	Feb. 2023



2022 IEPR Communication

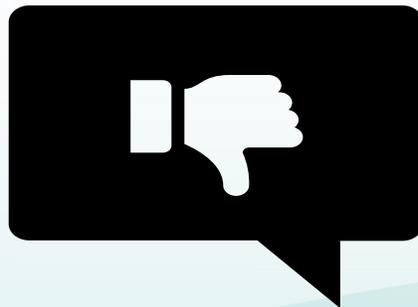
- Join IEPR list server: <https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report>
- We'll continue seeking input from DACAG and IEPR subject matter experts.





2022 IEPR Update Draft Scoping Order

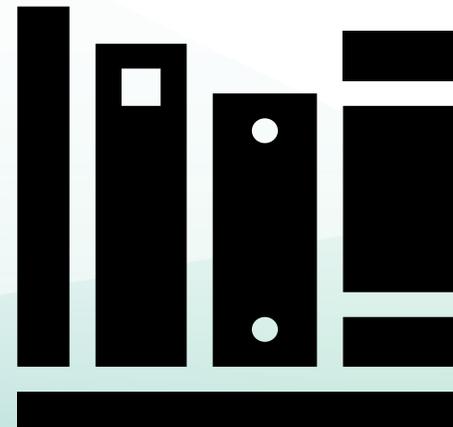
- Key components: Library, Emerging Topics, Parallel Proceedings, Equity
- Scope Comments **due 3/22/2022 5:00 p.m.**
- **Submit here:**
<https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=22-IEPR-01>
- QUESTIONS:
 - Are we moving in right direction?
 - Is anything missing?
 - Are there any resources you recommend?





California Planning Library

- CEC analytical products are critical tools for state agencies and energy system stakeholders as they plan investments and make legislative and regulatory decisions
- Analytical products and corresponding data will be consolidated and organized into a **California Planning Library**





2022 IEPR Update Emerging Topics

- Provide situational awareness
- Identify possible policy questions of interest in emerging topics not addressed in recent IEPRs or CEC proceedings
- Emerging topics include:
 - Role of hydrogen in CA's clean energy future
 - Evolving regional energy markets
- Lead Commissioner may add topics as they arise during the year





Parallel Proceedings

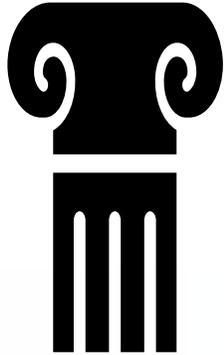
- Parallel to 2022 IEPR, CEC launched 2 additional order instituting informational proceedings (OIIPs)
 - 1) Decarbonizing natural gas system
 - 2) Distributed energy resources (DERs) role in CA's energy future
- OIIPs will allow deep analyses of important issues beyond IEPR timeline
- 2022 IEPR Update will include updates from proceedings while allowing proceedings to continue and inform future IEPRs



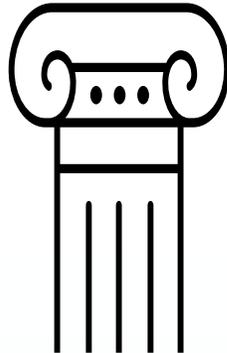


Inclusion Diversity Equity Access (IDEA) Initiative

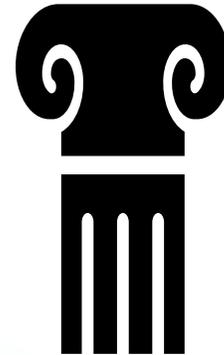
Dignity



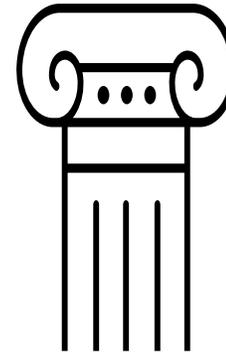
Stability



Prosperity



Power





- Regions
 - Salton Sea region
 - Central Coast
 - San Joaquin Valley
 - Northern Coast
- Variety of formats
- Stakeholders:
 - Tribes
 - Community leaders
 - Organizations
 - Elected officials
 - Legislators
 - Other stakeholders

Proposed Regional Engagement Approach





Equity/EJ Framework & Assessment

Purpose: comprehensive, agency-wide baseline foundation

Vision: All Californians benefit from a clean energy future regardless of race, income, or location.

Elements: Definitions, guiding principles, practices

Inspired by:

- DACAG Equity Framework
- CEJA Principles
- Greenlining Institute guidance
- Peer agency material
- Justice40 Initiative

Table 2: EPIC 4 Equity Matrix

#	R&D Topic	Health and Safety	Access and Education	Financial Benefits	Economic Development
1	Floating Offshore Wind Energy Technologies				
2	Advancing Geothermal Energy and Mineral Recovery Technologies				
3	Emerging Solar Energy Technologies				
4	Short Duration Energy Storage Technology Demonstrations to Support Grid Reliability				



EQUITY/EJ Action Plan = IDEA-Ex

Area	Action	Description	Lead	Start	Deadline	Follow up	Lessons/Corrections
Leadership							
Operations							
Investments							
Contracting							
Communications							
Legislation							
Legal							



Equity Indicators

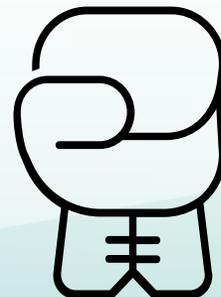
- Revisiting Energy Equity Indicators tool developed to track progress of **SB350** recommendations
- New data will be **dynamic**, flexible, and presented as a suite of dashboards users can interact with
- Phased approach:
 - 1) Focus on existing indicators/metrics
 - 2) Add nuanced and emerging indicators/metrics
 - 3) **Ongoing work + analysis:** Determine opportunities to expand indicators, apply regional approach, etc.

Proposed 2022 Equity Indicators + Metrics	Proposed 2022
INVESTMENT	<ul style="list-style-type: none">• Amount invested
RELIABILITY	<ul style="list-style-type: none">• Energy burden• PSPS



Equity Indicators – Next Steps

- **Conduct literature review** of existing tools (ICARP, CES 4.0, CalBRACE)
- **Develop matrix** that compares how each tool advances energy equity and identifies gaps in existing tools
- **Apply market study approach:**
 - Develop focused questions to dial in audience and use cases
 - Implement pilot to test with potential users (DACAG, CEC staff)
 - Explore question of whether **Reliability vs. Resiliency** is most useful indicator?





Questions for DACAG

- Are we moving in right direction?
- Is anything missing?
- Are there other resources you recommend?